SPECIFIC-GRAVITY TESTS

1. PROJECT		2. DATE
3. BORING NUMBER	4. JOB NUMBER	5. EXCAVATION NUMBER

6. SPECIFIC GRAVITY OF SOLIDS (G_s)

FLASK CALIBRATION DATA	a. FLASK NUMBER	b. CLEAN, DRY WEIGHT, W_b Grams	c. FLASK + WATER WEIGHT, W_{bw} Grams	d. OBSERVED TEMPERATURE, T_x °C

e. SAMPLE OR DETERMINATION NUMBER				
DETERMINATION DATA	f. DISH NUMBER			
	g. WEIGHT OF DISH + DRY SOIL Grams			
	h. WEIGHT OF DISH Grams			
	i. WEIGHT OF DRY SOIL, W_s Grams			
	j. WEIGHT OF FLASK + WATER + IMMERSED SOIL, W_{bws} Grams			
	k. TEMPERATURE OF WATER, T_x °C			
	l. CALCULATED WEIGHT OF FLASK + WATER AT T_x, W_{bw} Grams			
	m. CORRECTION FACTOR FOR T_x, K			
n. SPECIFIC GRAVITY OF SOLIDS $G_s = \frac{W_s K}{W_s + W_{bw} - W_{bws}}$				

7. APPARENT (G_a) AND BULK (G_m) SPECIFIC GRAVITY

a. SAMPLE OR SPECIMEN NUMBER				
b. TEMPERATURE OF WATER AND SOIL (°C) (must be within 23 ± 1.7°C)				
c. TARE + SATURATED SURFACE - DRY SOIL				
DETERMINATION DATA	d. TARE			
	e. SATURATED SURFACE - DRY SOIL, *(B)*			
	f. (WIRE BASKET + SOIL) IN WATER			
	g. WIRE BASKET IN WATER			
	h. SATURATED SOIL IN WATER, *(C)*			
	i. TARE AND DRY SOIL			
	j. TARE			
	k. DRY SOIL, *(A)*			
l. APPARENT SPECIFIC GRAVITY $G_a = (A) / (A - C)$				
m. BULK SPECIFIC GRAVITY $G_m = (A) / (B - C)$				
n. BULK SPECIFIC GRAVITY, SATURATED SURFACE DRY (SSD) $G_m = (B) / (B - C)$				

8. REMARKS

9. TECHNICIAN *(Signature)*	10. COMPUTED BY *(Signature)*	11. CHECKED BY *(Signature)*